

THIS MONTH WE SALUTE
WINNERS OF THE
FLORIDA QSO PARTY CONTEST

(See Results Below)

SUBSCRIPTION EXPIRES
THIS ISSUE

FLORIDA SKIP

VOLUME 14 NO. 2

THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION

JULY / 1970

Price 20c



FIRST IN FLORIDA to make 5BWAS is Bob Beatty, K4IEX of Orlando. Bob went from Zero to 80 percent during one CD Party week-end. He used about 500 watts into 80-40 inverted V plus tri-band 2 element quad at 50 feet. K4IEX moved from N.C. to Fla. in 1966, works for Martin Co. on ABM project, is married, 28 years old, first licensed as Novice in 1956, has 280 DX confirmed and likes traffic work. He is now working for his 5BDXCC. (Photo by K4BAI)

SILENT KEYS

We are deeply sorry to report the passing of the following Florida amateurs:

W4JQL, Father Joseph Brunner, Miami

W4GYG, Mark P. Frutchey, Winter Park.

W4BJK, Nels V. Jensen, St. Cloud.

W4DRC, Harold A. Rensch, Ft. Lauderdale.

W4FGN, John H. Straub, Geneva.

WA4KWJ, Earl R. Price, Clearwater.

W4SOM, Carl B. Ragsdale, New Port Richey.

About Tower Victory

(Editor's Note: For the past several months SKIP has been carrying the accounts of Gene Klarman, WB4LWA, tower case in North Redington Beach, Fla. Here is Gene's final report. Let this be a lesson to the rest of us.)

Well, at long last a judgement was made in our tower case. The lawyers got together and a consent judgement was reached.

Our antenna and tower are up to stay. We have had the use of it for about a year so far even though we had been ordered to take it down. We have however, been fined \$100.00 and ten days in the county jail for not having followed legal procedures. The ten day jail sentence will be waived if I pay the fine.

The judge's motive for the fine is though there was a legal procedure we could have followed we openly and defiantly disobeyed the order to take down the antenna since we didn't get a building permit. Suffice it to say we followed our attorneys' instructions in disobeying. Why we couldn't obey would be such an involved tale that we would lose the reader in legal obfuscation. The salient point here is we really won the war but we lost the most important battle. Our attorneys tell us emphatically that if we wish to push it to a higher court, undoubtedly we will win a 100 per cent victory. As a retired businessman the idea of spending about another thousand dollars to win back one hundred is foolish. What price principle now?

The net of the case is: the

judge agrees that the ordinances we are charged with violating do not apply, nor should we have been arrested. Although he does not say so in the final order, we are charged with violating a legal procedure in protesting. In other words, even if the law is applied wrongly, use the established methods of protesting.

We know of three other towns very close to us (and there are probably dozens of others we do not know of) where should a ham decide to locate and put up his rig will have a very difficult time indeed. One town told me flatly hams were not welcome. In fact, two hams quietly gave up or moved away.

We think the best answer we

(Continued on Page 4)

RESULTS OF 6th ANNUAL QSO PARTY

The 1970 Florida QSO party can be called both a success and a failure. Participation from non-Florida stations was definitely better this year, but the Florida ops must have been on vacation that weekend. The new portable category received little support.

Trophies go to the following stations:

WA1JHQ high out of state station

WB4PWX high single-op Florida station

WB4INC high multi-op Florida station

K4GRD4 high portable station

The out of state trophy will be mailed soon, but the Florida trophies will be given out at the 1971 Tropical Hamboree in Miami, in January. Certificates will be mailed as soon as

(Continued on Page 16)



WINNER OF THE Multi-op FLORIDA QSO PARTY is Phil Vitrano, WB4INC of North Miami. Phil was assisted by Charlie Trice, WA4RRB. The Boys racked up a smashing 50,853 points on SSB. See all scores on pages 8-9. Congratulations to all winners. (WB4INC Photo)

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— Editor

Dear Mabel XYL Award, c/o Skip, Box 501, Miami Springs, Fla.

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W4VRI ex W0EMU,
W8WDO, KA2BK, F7FP and K3QWS
W4RBM ex W0KKQ, W8HOH and K4UKL.



Letters To Editor

Lets keep profanity out of our QSO's. It is very disgusting to hear those words flowing from the mouths of hams who are above the mental level of those who have to use them due to their ignorance of more appropriate words.

It is now true, that the courts now consider some of the words that have always been considered profane, are now permissible to use on the air and are not in violation of the law.

However, in my opinion, just because the courts do not now consider them profane, we do not have to use them, and degrade ourselves by using them.

Lets keep the air ways clean where it is pleasant to listen and work our QSO's. It is not necessary and it sounds terrible. 73, Paul M. Connolly K4YSS Ft. Myers, Fla.

EDITOR:

While I feel very strongly for the unlucky hams with the unlucky hams with the test case on the towers etc. I do take exception to their last comments as to "no one coming by." My heart really bleeds for them. I supported them and don't feel I have to travel so far to stay with them.

I dropped out of ARRL for the reason of their non-contribution to this case as well as every other case that winds up in the courts having to do with ham radio. I don't consider sending papers of previous cases to satisfy the need. We pay the attorneys salaries so why don't they represent any ham in court. Rather than confuse the issue.

Most nets jam the frequencies. The traffic being passed, in most cases are typical tripe, which only reflects on the rare emergency hurricane traffic, etc. type. Sayings by "ONYX" is sickening and revolting. He must be the Lord and Master of all hams and it's too bad we offend him. Thanks anyway for the last issues.

W. Jeffrey W4SAR
1030 S. Perry Ave. Space 5
Jupiter, Fla. 33458

Editor:

Just received my June issue and must say it's (Florida Skip) is the best publication of its kind that I have seen anywhere!

Please continue with Dick Blasco's articles on transistors.

I hope to have my W4 call soon so will give you another addition for your ex-calls. 73

Jim Robinson WB6GVI 4 - N0WZW Jacksonville, Fla.

(Editors note: Thanks for kind words. Coming from a WB6, I take it, Florida has something California don't have.)

Reference is made to "Antenna Insurance" on page 4 of June issue of "SKIP."

By sheer coincidence I recently checked our insurance with three different companies. I find that our antenna installation is indeed covered entirely by the average homeowners policy.

I too was alarmed by the exclusion of "outdoor radio and television antennas and aerials . . . whether attached to building structure or not."

However, I was reading under "Replacement Cost." The key word here is REPLACEMENT. Of course no insurance company would pay for the entire replacement cost. In the event of damage they would pay me for the pro-rated cost for the remaining years of useful life over the total estimated life of the antenna installation.

My homeowners policy covers me completely under personal liability and medical payments. In the event of damage to a neighbors property they may contest payment but will defend me if sued, i.e., was it an act of God or not.

Thought the above would help clarify the insurance problem. Think a letter from a Ham insurance man (properly qualified) might be a very wise thing.

73,

Gene Klarman WB4LWA
305 - 173rd Ave.
North Redington Beach, FL 33708

(Editors note: Thanks Gene for info. Do we have any takers insurance amateurs?)

Here is a little item for the Florida Hams, that might be worth their attention. I just happened to help another ham take his Moseley TA-33 Sr. down, since he is leaving the state. After he and I got the beam on the ground, we found much to our dismay that the quarter inch thick aluminum plate which fastens the mast to the boom, was deteriorating so badly that it was amazing. This after five years, what would mine be after eight years?

After looking at it with binoculars, it was horrible and looked just like a piece of indoor plywood which had been left outdoors for a year. All laminated and separated, now it looks so bad, I am worried about it holding together long enough to get it down.

Here is a WARNING to all owners of the TA-33 Sr. Look that mast plate over very carefully every once in a while. Carl Moseley take note.

73,

Hal Bates W4FIU
Dunedin, Fla.

Editors Note: Hal — You are not alone. My TA-32 did the same darn thing!

Maybe I am too late to get in on the contest of identifying the old gear on page 11 of June Skip, however here goes: Paragon RA-10 receiver and DA-2 amplifier, Western Electric hand mike, Bunnell key, Murdock send-receive switch, Jewell meters, RCA mercury variable condenser type UC1819, RCA Helix on wood base, two RCA transmitting tubes type UV203, RCA rectifier tube type UV217, RCA variable condenser type UC1820. The transmitting equipment was hard to identify as items so close together.

We drove over to Lakeland to see Tom Chisholm, W4FP and picked up the nice lot of antique gear he advertised in Skip. A collector from Winter Gardens was here yesterday who had just picked up an original RCA Theremin in excellent shape in a local junk shop. No doubt some of your old time readers will remember the Theremin which was put out by RCA in 1929 and was an electronic musical instrument played by waving the hands in front of a couple of antenna-like rods protruding from the cabinet. There were only 300 of these made. Best 73.

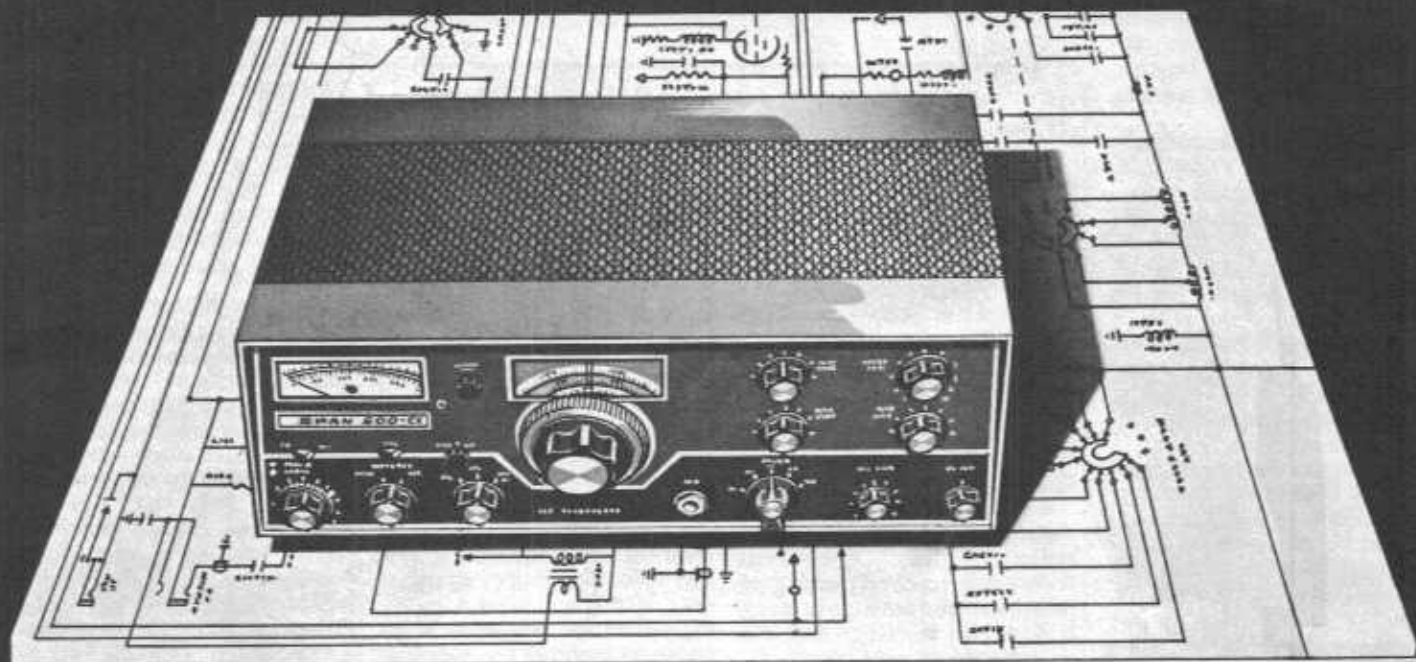
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St. Pete Bch., Fla.

ORLANDO PRIZE WINNERS

1st Linda, WB4OTZ, Galaxy,
Jax, her OM Wade, K4VXD.
2nd Howard, K4IS, TR-4 to
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TOWER VICTORY

(Continued from Page 1)

got was from the tower manufacturer-president. He told me in circumstances similar to ours, the ham either gave up in disgust or moved away. We would be the first to tell you that if we could have foreseen our trouble, we would have not put up such an antenna installation. Now that our troubles are 99 per cent in back of us, we like to believe our hollow victory will become more palatable with the passing of time.

We would like to acknowledge our gratitude to FLORIDA SKIP in publishing the news. We will also have to real objective in saying while it did us no good at all it may be of benefit to some other luckless ham.

Well, enough of this. "We ain't mad at nobody." We suppose each ham quietly reflects, "Well, thank God it was him and not me."

We hams still have no defense and it is still every man for himself. Perhaps that is the way it should be. Mark Twain said, "Any real man can stand adversity. Another man's, I mean."

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NAVY MARS

Bonnie Wieboldt NOPJQ
WB4FSF

It was good seeing many of you at the Orlando Hamfest MARS meeting. Chief Leafy was there and our net operations were discussed.

During the Lubbock, Texas emergency, MARS members established emergency communications in the area. 2246 messages were handled. Special recognition for a task "well done" is extended by the Chief Navy MARS.

At the monthly MARS meeting in Orlando, members enjoyed an equipment scrounging party. Speaking of meetings, the Jacksonville gang is planning a meeting which will be reported on next month.

Saturday's area nets are training nets. New members please make a special effort to attend. Here, net procedures are explained in detail and all other questions answered.

Navy MARS members should be reminded of the fine training manuals and correspondence courses available to them. All interested should contact their area coordinators for information.

We seem to have a lack of contributions to this column. Next month, I hope to see my mailbox deluged with news! Anyone and everyone can submit information.

AIR FORCE MARS

J. R. Hopkin Jr.
AFC4BND WB4BND

This month I feel I have something positive to report to you for the first time in quite a while. The meeting in Orlando is what I have reference to. Chief MARS Captain Huggins, Command MARS Captain Dabol, and Region MARS Director Lt. Witkin were all there and as a result we were able to discuss and clear up several problems that have been plaguing us for some time. The sincerity and friendliness of these gentlemen was apparent from the start, and went a long way toward putting everyone at ease. With this in mind it is easy for you to see how most of us came away from the meeting with the feeling that we are going to get a fair shake. I know

for one thing I didn't feel like an outsider as has been the case on occasion in the past.

Captain Huggins assured us we would have a completely new AFM 100-15 by the end of the year. This is good news as the old one has some serious shortcomings as you know. Capt. Dabol explained to us how much time and effort has been expended toward getting us a permanent frequency. Lt. Witkin came up with the news that Region 2 will get primary consideration on equipment requests for the next several months. He also charmed several of our officials by cutting down on some of the paper work. He captured the rest of us with his willingness to cooperate at all levels.

It was my pleasure to meet all the members present and for those of you who were unable to attend for one reason or another, make arrangements to be at the next meeting as I want to see you and meet you if you are anything like the bunch at Orlando. They were all fine fellows and I am the richer for having met them. As always, preconceived ideas of what you looked like, caused me to be pleasantly surprised on several occasions.

Don't forget field day and the hurricane season are upon us.

PROCLAMATION

State of Florida
Executive Department
Tallahassee

WHEREAS, Florida Amateur Radio Operators in the highest tradition of public service are unselfishly dedicated to providing emergency communication to many individuals and agencies in time of acute need; and

WHEREAS, Florida amateur radio operators display an intense application and singleness of purpose in the pursuit of their important avocation that has contributed tremendously to the improvement of communications in Florida; and

WHEREAS, the international contacts and relations with other amateurs throughout the world have contributed materially to better understanding of the United States among other peoples; and

WHEREAS, in the exercise of their communications avocation, amateur radio operators have rendered invaluable assistance to the blind and handicapped and provided imperative communications service to religious and charitable institutions and others in remote areas; and

WHEREAS, as part of the Amateur Radio Public Service Corps and Radio Amateur Civil Emergency Service, Florida amateur operators stand ready at all times to go to the aid of the Nation in case of national emergency;

I, JIM, THURGOOD, J., Claude B. Kirk, Jr., by virtue of the authority vested in me as Governor of the State of Florida, do hereby proclaim the week of June 21-27, 1970, as

FLORIDA AMATEUR RADIO WEEK

in Florida, and do urge all Floridians to take significant notice of the week in the interests of better radio communication and in recognition of the great service to radio rendered by the amateur radio operators of Florida.



John Q. Adams
GOVERNOR

I, JIM, THURGOOD, J., have hereunto set my hand and caused the Great Seal of the State of Florida to be affixed at Tallahassee, this 21st day of June, 1970, in the presence of my said Secretary of State and my said

John Q. Adams
GOVERNOR

FLORIDA PUBLIC SERVICE CORPS

Ken, W4SMK

The Fla. League Official and League Appointee Net which met on 3940 KHz following the FSBEN on Wednesday nights has been cancelled for the Summer. Look for a notice in the Fall when we hope to begin this information net again. In the meantime we invite you all to participate in the FSBEN since there may be announcements of interest to all Fla. LO's and appointees given on that net. Thanks to all you faithful members who helped make the LO net a success.

Attention all Emergency Coordinators in East and West Fla. It is important that you send a form 5 card, or radiogram report, to your respective SEC for the month of June in order that he may bring his records up to date. West Fla. reports to W4IKB, and East Fla. reports to W4SMK, asst. SEC, please.

The Lee Co. sheriff's dept. has formulated a formal plan for action to be taken in event of an air disaster in this area. The written plan involves all law enforcement agencies, hospitals, Civil Defense, etc. and may serve as a model plan for other counties who wish to make similar plans. The plan will be extended later to also include natural disasters, and drills are being planned simulating a plane crash.

All ARPS people should be alert to help their fellow motorists while on vacation this summer.



Accepting the FLORIDA SKIP trophy for the highest Field Day score in the single transmitter class is Mike Kirby, K4VYF. He accepts the 1969 trophy for all the operators of W4JJ, Panama City Amateur Radio Club. The group amassed a total of 8,430 points. The trophies were presented at the close of the Miami Hamboore. The big lug on the right is Ye Ed. (Photo by WB4PFZ.)

TAPES FOR BLIND

In the May issue we announced that we would like to start putting Florida Skip on tape for all blind hams or interested persons in Florida. To date we have had only eight persons who have responded to our article. We would like at least a dozen to get the program started as it will involve a considerable amount of time and effort. This is to request again for more tape subscribers. If you know of anyone in your area who may be interested in receiving Florida Skip on tape please let us know as soon as possible. Please give their full mailing address. After we receive twelve names, we will advise the particulars on what type tape we will require.

CODE PRACTICE

If you are looking for some good code practice, try copying WB4HKP's ARRL-SKIP Official Bulletins, daily except Monday and Saturday at 2230 GMT, and daily except Monday, Friday and Saturday at 0100 GMT on 3651 and 7095 kHz simultaneously. Code speed is approximately 18 WPM. He would appreciate any signal reports and suggestions. All reports and letters will be answered. Address correspondence to: Frank Haas, WB4HKP, 536 West 47th St., Miami Beach, Fla. 33140. Phone (305) 531-6400.

PLEASE GIVE SIX
WEEKS NOTICE FOR
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AMATEUR WEEK IN FLORIDA

For the past 12 or 13 years, Florida has had an AMATEUR RADIO WEEK.

Please note that FLORIDA POWER & LIGHT COMPANY came thru again with the following salute which was read on many, many broadcast stations in the Miami area. Thanks FP&L!

"Hello CQ... Hello CQ. This is Florida Power and Light calling all radio operators. This week is Amateur Radio Week. YOUR week. This is the week FPL would like to thank you for the unique service you give. To your community and your country. A lot of people think your radio skills are just a hobby. But as you well know... it's one hobby that's been invaluable in times of disaster. That's why my voice is not only reaching you, the radio operator... but all radio listeners, as well. FPL wants everyone to know that the amateur radio operator has sometimes been the only link of communication during floods, hurricanes and earthquakes. At this very moment, a volunteer organization of amateur radio operators is ready to go on the air in case of emergency.

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CITRUS CHAPTER QCWA

By Bill Walso, W4PI

The Orlando Hamfest Meeting of Citrus Chapter, QCWA, was held at the Tradewinds Cafeteria, Saturday 23, May at 1:00 PM; immediately following the splendid Joint Luncheon with Gator & Treasure Coast Chapters, hosted by Citrus. An estimated 100 QCWA members of all chapters attended the joint luncheon, with 55 remaining for the Citrus Chapter Meeting.

The high point of the Citrus Meeting was the "Changing of the Guard" of the installation of officers for the 1970-71 term, and the presentation of the gavel to Citrus Chapter by Charter Member Herman Agostini, WB4FJY. This is no common gavel; it has a long and distinguished history. The gavel was used by the speaker of the Senate of Puerto Rico for many years, and later used by Col. Agostini himself when he was chairman of Rotary International in Puerto Rico. The gavel will be engraved by our Charter Member

Gene Berato, WA4NKE, and will be on display at our Melbourne Hamfest Meeting.

Officers elected at the Ormond Beach Meeting and taking office at the Orlando Hamfest Meeting were:

Chairman: Bill Walso, W4PI, Orlando — Vice Chair: Jack Six, W4YPA, Deltona — 2nd Vice Chair: Art LaPlant, W4SRG, Winter Park — Secretary: Owen A. "Tommy" Thompson, K4LV, Umatilla — Section Chiefs: Leesburg-Mt. Dora Area: Ken Aitken, W4FIQ, Tavares; Cocoa-Melbourne Area: Herb Tudor, K4QKF, Melbourne; Orlando Area: Lee Terry, W4CNV, Orlando; Daytona-Ormond Area: Ron Pries, K4KO, Daytona.

The item of business for immediate publicity is the change of time and frequency for the Citrus Chapter Net. Our new frequency is 7254Kc, and the new time is Saturday mornings at 10:00 AM. All QCWA members are invited to join Citrus for a pleasant Saturday morning chat.

The Citrus Chapter Area covers the general 60 mile radius area centered in Orlando. Old Timers who wish to join us are invited to contact our new Secretary, Owen A. Thompson, K4LV, Three Lakes, Rte. 1, Umatilla, Fla.

The next Citrus Chapter Meeting will be held at the Melbourne Hamfest, 12 September. Details and arrangements for this meeting will be handled by our Cocoa-Melbourne Area Section Chief, Herb Tudor, K4QKF, Rte. 1, Box 282, Melbourne Beach, Fla., or alternate Chief, Glenn Diggs, W4BFQ, 65 Georgia Ave., Merritt Island, Fla.

QCWA SOUTHEASTERN FLORIDA CHAPTER

"Operation QSL" was a success. Many ancient QSLs and Photos of early spark stations showed up at the monthly dinner meeting. Les Benson would have got a kick out of seeing one of his rotary spark gaps in

one photo QSL card. A photo of 4AC (1918) and station showed up to be the undisputed first radio amateur in Miami, and perhaps the first in Florida. Transmitter, tuned spark coil, Receiver, DeForest panel job with detector and one step audio.

Mrs. K4TT supplied the door prize which was won by K4HA (ex-4QV). K4TT (ex-8TT) can be heard at all hours of the day and night working 28.8 at home or mobile. A general discussion revealed that a change in the meeting night might be in order, so you dues paying members, get your requests in early. It was generally agreed to start dinner at 6:30 PM promptly. It was also generally agreed to meet monthly, the first week of each month. Your vote by mail will be honored.

Next dinner (dutch) will be July 2, 6:30 PM at Smitty's Coffee Shop, 3200 N.E. 2 Avenue, Miami, Fla. Bring your own Spark Gap or Ford Spark Coil for the antique viewing, and be sure to bring an old time friend for the membership drive.

73, W4JO

QCWA "GATOR CHAPTER"

By Wes Edmonds, W4TPA

Another Orlando Hamfest has gone into the history books and wish it the final monthly dinner meeting of Gator Chapter for this season. For those of you who were unable to attend for one reason or another, may I say you missed a real good time, and we also missed you. The over flow at the joint luncheon was much larger than last year and I suggest that plans be made soon enough in advance to insure ample seating of all in one dining area. Now that we have several chapters in the state this event is about the only one when most of us can get to meet together and renew old acquaintances.

Among some of the highlights of the luncheon was the presentation of a birthday cake to W4HFR by DOC in celebration of ELMER the GREAT'S 75th birthday.

Bob Stewart, K4AJ and Irv. Sears, W4JCJ, were presented the QCWA Golden Anniversary Award commemorating their 50 years of service to amateur radio. That's quite an Oscar fellows and a lot harder to come by.

PLAYGROUND A.R.C.

By Jerry Green, K4UBR

Kersplash! Everyone was all wet and gladly at the last meeting and social night of the Playground ARC held in the pool and around the pool of WB4MHG who was the instigator, planner and host for this different kind of club affair. '807s and Pizza rounded off the evening as the ZYLs of WB4NHH, W4BVE, W4MMW and K4UBR won door prizes and WB4NHH won the evenings door prize. If the summer picnic for the club and its members is more enjoyable it will be hard to keep the xyls away from the regular meetings.

New club officers are WB4NHH, President, WB4NJW, Vice Pres., W4UXW, Secty-Treas. and K4UBR, Activities Mgr. WB4MHG heads the Publicity and newly appointed WB4KXO heads the very active and successful training committee.

FLORIDORAS

By Cathy Soehl
W4BAV AREA ARNS

Besides the Floridors Net Tuesdays, 9 AM, there is another one Wednesdays, 8 PM, with K4RNS, Marge and W4BWR, Ruth as dual roll N.C. Both nets are on 3633 kHz and all YLs are welcome to check in.

W4SWW, Barbara Little, Freshman at U. of So. Fla., appeared on the G.E. College Bowl TV Contest, with 3 male students and, at this writing, they are well on the way to making their 5th week (maximum allowed), which will mean the College receives a sizable amount for scholarships. Barbara is the daughter of W4QJN, Ann (both former Floridors) and W4NBC, Clark.

K4WXS, Lee Kanarian is due congratulations on passing her Advance Class License recently.

K4LFA, Dot Davidson is carrying on her Commercial Art career, free lancing from her home.

K4RNS, Marge Campbell is to be congratulated on completing her night course in Stenocript. Marge is kept busy as a legal secretary, Secretary of the Daytona Beach Radio Club, besides caring for her charming home.

W4FJN, Rosalie and OM, W44FJO, Fred Billman finally stopped by to see W4GHR, Bill and W4BAV, Cathy Soehl.



NEW OFFICERS OF THE FLORIDORAS, elected at the Orlando Hamfest, May 24th are: L to R: K4WXS, Treas.; K4RHL, Sec., W4QBY, V.P. and W4KOH, President. See Floridors column for details.
(Photo by W4BAV)

NORTH FLORIDA
AMATEUR RADIO SOC.
NOFARS
W4IZ
MEETS
2nd THURSDAY
AT 7:30 P.M.
DUVAL CD HDQTRS.
107 Market Street
JACKSONVILLE, FLA.

DADE RADIO CLUB, INC.
W4NVU
SPONSOR OF TROP. HAMBOREE
- MEETINGS -
3rd Tuesday
Each Month
At Museum of Science
and Natural History
3280 S. Miami Avenue
Miami, Florida

FLORIDA SIDEBAND
ASSOCIATION
Meets Sundays 2200 GMT - 3940kHz
FSBEN - Thurs.
3940kHz
0030 GMT
FAST Net
Daily
3940 kHz
2300 GMT
A FRATERNAL ORGANIZATION
All Sidebanders Always Welcome

GULFSTREAM SOCIETY
OF AMATEUR RADIO
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(See page 13 for more details)

FLORIDA
W4AB
BROWARD
AMATEUR
RADIO
CLUB
SEE DIRECTORY
FOR
DETAILS

NOFARS NEWS

By Billy Williams, WA4UPW

Well, it's time for Field Day again and NOFARS plans to use three transmitters in its effort to win the FLORIDA SKIP trophy for the fifth consecutive year. The operating site will probably be the Gator Bowl.

Field Day Chairman Howard Kelley, K4DSN, has chosen 3 team captains to hold down the rigs. Leading ssb rig number one, for the fourth year, is Ron Locke, W4YPX. On sideband rig number two is Warren Croke, WA4DWR, in his first year. The captain of the c.w. rig is Billy Williams, WA4UPW, for the second consecutive year.

Last year, over 50 members participated in FD and we hope to have even more this time. There's a job for everyone!

Had a nice time at the Orlando Hamfest. Many hams from Jacksonville and Duval County were there. W4VXD's wife (WB4OTZ) Twinda won a transceiver door-prize.

Schools out and NOFARS activity is expected to pick-up. WB4IAG graduated from high school and a couple of others from college.

The status of the NOFARS repeater will be determined soon at a special meeting. Main problem seems to be funding.

NOFARS members seem to be a linear building craze. WB4EYX, WB4IAE, K4DSN, and WA4UPW are among several who have completed home-brew amplifiers in the past month or so.

The Novice training program has been a success with ten tickets set to arrive any day (at press time) and we even have one technician graduate. Bob, K4PZW, deserves a pat on the back for a well-organized program. Also had a lot of teaching help. 73.

GULFSTREAM SOCIETY OF AMATEUR RADIO OPERATORS, INC.

By Al Suhr, WB4AID

Unfortunately President Dick Kidder had to be absent at the regular business meeting for June. It was good for the Society, though, for we were able to observe Vice-President Jim Johnson, W4JBZ, in action. Jim did a very fine job of presiding over an active meeting and everyone seemed very relaxed. The important FM issue was again brought forward — since our repeater is very active and constantly in use, this group is keenly interested in the proposed rule making. The subject of an identifying vest or hat or something distinctive was explored. There was no conclusive action in this connection except a motion to refer the subject to the Board of Trustees for recommendation. Field Day plans were also mentioned — at the present there is much work to be done as usual.

New member Steve Bacchi, WA4RUE, has answered a letter of invitation and is participating on the air. Steve is an X-Ray Tech. at Bethesda Hospital with an awful shift. A real dedicated Ham.

A big project is now almost completely finished. When the Society held the nine day demonstration at the South Florida Fair, QSL's were promised. The Fair printed them, yours truly hand lettered all 323 of them, and all the members got their call books out and addressed them and now they are ready for application of postage. We will probably handle it a bit differently next year in order to get them out faster. Even if a little late they are very nice and those Hams involved will have a handsome piece for the shack wall.

DADE COUNTY A.R.P.S.C.

By John Aikens, WB4KQR

Attention all hams. Make your plans to attend the first annual auction-fest, sponsored by the DCARPS September 19. Bring all gear, antennas, etc., and have a



"There is nothing like a Field Day in a nice hot tent" — says Don, WA4HXY of the Ft. Myers Radio Club last year. The tower sections support the tent. Send in your totals today. (Photo via W4SMK)

great time. General admission is one dollar, with the corps taking five percent of all sales.

Field day is over, but there remains the excitement, and that element of suspense. The Corps had nine stations in operation for the annual event. All rigs were set up in trailers, and were using emergency power from our new ten KW generator. WB4KQR was appointed FD chairman, with WB4LBB as co-chairman. There were only traces of Mr. Murphy, as most of the kinks were ironed out.

Our second picnic was held at Morningside Park, on May 17. Among the activities, we had a gag prize raffle. WB4JHJ won a coil kit made from a tissue paper roll.

Congratulations to our new members, Ed, WN4PFV, and Ross WB4PWD. Congratulations are also extended to Jo, WN4QON. She just received her license.

With the Hurricane season approaching, we must all brush up on emergency procedures and begin organizing our thoughts. The Corps now has a direct power cable to the station, WB4LRY, from the generator. During a power failure, WB4LRY would be used in co-ordination with the Miami Red Cross station, K4IWT, to pass emergency traffic.

You are invited to attend our meetings, every second and fourth Thursday, at Pace High School, at 8:00.

DELTONA NEWS

By Jack Six W4YPA

The Deltona CD net meets every Friday night with very good attendance. Seven-teen simulated messages were handled and the regular round table followed. Our activity looks good with new checkins every week.

Tom K4LZ was operated on May 5th, three days of intensive care and was released May 15th. Tom has what it takes to recover and is doing well. Lee W4TNK is back home after his trip to Ohio and New York. Ralph K4MY has joined the QCWA

and attended the Citrus Chapter lunch at the Orlando hamfest. Dusty W4WVT and Russ W4YLR are both sporting new cars and piling up the mileage. Have fun boys.

Yours truly here had a visit from Paul Kiefabor, W4SLA of Arlington, Va. Paul is looking over Florida as he expects to retire from the FCC, Washington Office, in the near future.

That's all from Deltona, but always remember its great to be alive and every day you are born anew and have your entire life to live. Be nice to others and spread goodwill through amateur radio.

BREVARD REPEATER ASSOCIATION

By Mark Manuzy, W4FJE

The Orlando ARC really outdid themselves this year and really had a fine show!! If you miss the Orlando Hamfest and Eastern FM Convention, plan now for next year. Next year the only improvement could be more room! I'm sure they are working on this.

The Eastern FM Convention was proud to have as special guests: Art Householder, K9TRG, of Spectronics in the Chicago area; Bob Koren, W8DHO, of K-N Electronics from Ohio; and from 73 Magazine, Wayne Green, W2NSD, and Ken Sessions, K6MVH. We were especially happy to have Amateur Electronic Supply represented at the Jamaica Inn. Other out of state guests included: Gary, W3DTN, of the Maryland Repeater Association; Bob, K2IEZ, of the Northeast Repeater Association; Mel, K2AOQ, Rochester, N.Y.; two or three sixes whose presence was greatly appreciated. . . one of them won one of the FM door prizes.

We got our repeater back home to the Cape Royal and plan to erect new antennas over the first weekends in June. WB4KNQ should be on the air by the time you read this.

The July meeting is very important and we hope to have everyone attend for nomination and election of new officers

and board members. Since the last time you read this column the club has been incorporated by the state of Florida with the gracious assistance of Ralph, WA4VOT.

Make plans now to attend the Melbourne Hamfest on Saturday, September 12.

SIDEBAND ASSOCIATION COLUMN

By C. B. Schnerr, K4SRI

June Seventh was the five hundred thirtieth meeting of the Sidebanders' Association. Three hundred and thirty-two members as of the last meeting. In our way of thinking, we have more members now than last year, but how many of those enumerated members have joined Silent Keys and how many are now active in the Organization? It seems that we have about forty-five to fifty answering roll call in any one week. Thanks to the new and devoted older members, we are able to carry out our most excellent projects. Thanks to the officers of the organization that we are able to carry on after more than ten years of existence devoted to public service.

The Orlando Hamfest has come and gone; this is the big one for many of us Florida Amateurs, the outstanding event of the whole Hamfest was that marvelous banquet and the inspirational speakers there. We cannot forget Wayne Green either, and the usual parking problems, some of us are still going round and round — and round.

Andy Clark, W4IYT, had a birthday this month. Did you sign the birthday greetings at the Hamfest?

What did you acquire at the Hamfest outside of a good sunburn? Did that fellow Amateur with whom you had that eyeball for the first time, look anything like he sounded? Did any of your former contacts look any older? Did any of the XY's look like ex-YL's?

Recently one of the Citizens' Banders was proudly announcing that he was working from California, and calling a net to order, operators answered from Wisconsin, Idaho and Illinois, the Amateur ten meter band was deadlier than the proverbial mackerel. We lost the eleven meter band because of lack of interest, remember!

ORLANDO RAMBLINGS

By Hal, W4BKC

Well, another successful Orlando Hamfest has passed into history. It must have had a rewarding financial aspect also, because shortly after the hamfest our Treasurer Paul, K4JSS announced he was leaving on a boat trip to Jamaica. (I wonder, does the US have an extradition treaty with that island?) anyway come back soon Paul. All is forgiven, smooth sailing and pack your water wings.

Our good friend Dick, VE3FQC took time out from his busy schedule to secure films and the display models from NASA and persuaded John, VK1OL to give some info on Ham Radio in Australia. All of which added to the interesting highlights of the hamfest.

(Continued on Page 8)

A lot of people think hams just fool around with radios.

Suddenly, your "fooling around" is frequently the only way of transmitting messages of help and hope. Of course, you didn't become a ham just to help out in a disaster. You became a ham because you just wanted to be a ham. But you've made your hobby an invaluable public service. And FPL is grateful. We remember. A lot of people thought Edison was just fooling around with electricity, too.



CLUB NEWS

(Continued from Page 7)

Andy, W4YI received a king size birthday card signed by many of those attending. He didn't look a day older.

In case you haven't heard, Linda, WB4OTZ took the Galaxy back to Jacksonville with the help of OM Wade, K4VXD. The Committee on the platform thought we would have a couple of cases of cardiac arrest when they heard the news! Man were they ever excited and happy!

Howard, K4IS of Ormond Beach won the Drake TR-4. Marge, K4RNS transported same so it arrived in good shape.

Hal, W4BKC and Ev, K4UIZ went on a deep sea fishing trip from Stuart. Caught some Kingfish, Bonita and Dolphin. We got sunburn but had a ball. Stocked up the freezer.

TAMPA AMATEUR RADIO CLUB NEWS

By Frank Shannon, K4GT

Our last meeting of the current season was held Monday evening, June 1st, we resume regular meetings on the third Monday in September '70. Our club member, Marvin Boston, WA4HDK, of Tampa Electric Company's Engineering Division, was the speaker. Marvin's engineering expertise again revealed itself in his presentation. "All about Oscilloscopes — in Ham Radio". At our May 18th meeting, club member Ray Murphy, W4BNE, a Supervisor in Engineering at Tampa's WFLA-TV, and "EC" for Hillsboro County, gave an excellent talk on "Amateurs, why we are on the air". He stressed our public service capabilities — and justification of our existence as amateurs! Well done, Ray OM! Ray is also active in promoting the Florida Sheriff's Boys Club activities on ham radio. Our club code & theory classes still going strong under the guidance of big George Orth, WA4THT, every Thursday evening at our TARC clubhouse. These classes are to continue throughout the summer months, so, pass the word.

The latest gear purchased by the club-treasury, is a 6 Meter Transceiver, a Knight TR-106 (kit). George "Sarge" Orth will supervise its assembly. It will replace and up-date our "6'er" Heath Lunch Box.

TARC has experienced another attempt by thieves to break-in to clubhouse! This time the culprit (or culprits), used a metal link-chain fence post to gouge-out our rear door!! Bill Holleyhead, Gordon Callender, and John Fogarty have worked hard, and have now sheathed with steel the rear door, and, spot welded the door hinges. This latest attempt to enter now amounts to the 5th such situation! TARC, through our custodian, Earl Miller, has renewed its insurance coverage!! Our clubhouse is leared from the City of Tampa. C U next month — if some culprit doesn't kidnap me!

73, K4GT

WESTERN FLORIDA NEWS

By Frank M. Butler, Jr., W4RKH

Pensacola: K4ZLE went on DXpedition to HB3 and 3A0-land; K4CFS is QSL Mgr. WN4ORM went from Novice to Advanced Class. WA4IZM added an SB-220 linear. WA3WAL 4 operates 2m FM from USS

Lexington. K4CFS handled Red Cross traffic during Texas tornadoes.

Ft. Walton: K4UUN 4 and WA5COV 4 spent many hours with tornado traffic; assisting were K4UBR, WB4EQU & W4BVE. BVE devotes full time to ham radio after retiring from CS at Eglin. WA2BDA, ex-CT2AS, is stationed at Eglin and active on WFPN. WA1IKS is with US Coast Guard here. WB4MHG hosted a swim party for the Playground ARC.

DeFuniak Springs: A list of radio equipment to outfit a C.D. EOC was prepared and presented to county officials. WA4PKR is on 2m FM.

Panama City: The PCARC enjoyed a fish fry at Alligator Point campgrounds. WN4QLU is newest club member. TVI Committee members W4GGU and K4JDT are working on a severe case in the Cove area.

Chipley: WN4PVG, age 12, now has 13 states and 4 countries confirmed. Tallahassee: The TARC bought the W4IKB repeater and plans to set it up on .34 .76 as a club project.

VERO BEACH AMATEUR RADIO CLUB, INC.

By Grover, W4DFZ

The big news this month is "IJ" Rovang, WA4SCK and xyl Leona celebrated their Golden Wedding Anniversary. Yes sir, fifty years is a long time and congratulations "IJ" and Leona from not only all of us in the Vero Beach area, but, wishing them the best and hoping to keep it going towards the century mark, comes from all of your FAA friends and all of your net associates. The date was 2 June, 1970.

The Treasure Coast QCWA Chapter was granted their charter effective April 27. The chapter will QRX for awhile as many of our members are on their vacations. We intend to hold four luncheons when the activity starts again in the fall, of which all the members will be notified by mail.

VBARC has suspended its meetings until next September, however, before we did suspend the meetings we did have a prospective new member present, Charles Heitchlinger, W4NPS 4 formerly W2HRZ of Long Island.

W4DFZ and XYL have headed for nine land, namely Des Plaines, Ill. N.W. of Chicago and visit 13 grandchildren.

Been holding regular schedules daily on twenty meters with the following members of BVARC who are up in Yankee land; W4TZ in Ohio, W3ABI WB4LLZ in Pa. W8FMU WB4PLQ in W. Va. Also been contacting WA4RQB mobilizing and patching him into his relatives in Vero and also into the radio station where he is engineer and announcer, WTTB. "Where the Tropics Begin". So far have picked him up in Texas, Louisiana, New Mexico, Arizona and hope to add Florida to the list as he is now heading home. Oh yes, he has his nice XYL Edna with him in addition to their little "doggie".

WEST PALM BEACH AMATEUR RADIO CLUB

Clara B. Stables, WN4NXX

From the cold ashes of the old club of the same name rises a healthy new organization with twenty members as a starter.

The new club will hold business

meetings at 7:30 P.M. on the first Wednesday of each month at Civil Defense Headquarters, 833 Newark Street, West Palm Beach, Florida. In addition to the monthly business meeting, the club will hold weekly meetings each Wednesday at 7:30 P.M. for social and technical purposes.

The immediate objective of the club is to reactivate the old call letters, W4HAW, under new trusteeship and to install a higher class license for the purpose of meeting various nets.

Any licensed amateur operator in the Greater West Palm Beach area is invited to apply for membership.

Classes in code and theory leading to a Novice license will be conducted weekly beginning with the second Wednesday in September.

Classes to upgrade present licenses will be held at the same time.

Licensed amateurs interested in joining the club and persons interested in becoming licensed amateurs may contact any of the following officers: Harold Kilpatrick, President, WB4NPN; William Sprague, Vice-President, WB4OUH; Clara Stables, Secretary, WN4NXX; Rudy Suchel, Treasurer, WB4LLD.

B.A.R.C.

By Jim Wilson W4GDK

Field Day is going to be one of our main subjects of discussion at the June meeting and as usual it will be a popular subject.

The June and July meetings are being held on the 8th floor of the First Federal Savings & Loan, 301 E. Las Olas Blvd. There is plenty of parking space and all interested in ham radio are invited to attend.

Field Day kept a lot of our members busy during the 24 hours. We had four complete stations in addition to positions for 6 and 2 meters, at Birch State Park near the Ocean. The antenna farm was under the supervision of the U.S. Forestry Service!

Charley Potts of Hollywood W4RQX loaned us his 5 KW generator. Bob Lloyd WB4LWQ was in charge of F.D. operations. More next month.

B.A.R.C. feels proud that one of their recommendations on FCC fees was incorporated in the reply by ARRL. We said that if an applicant paid the fee and then didn't pass the exam, he should have a year before he would have to pay that fee again. That made sense to them.

At our July meeting on Wednesday July 8 we plan to show the famous ham radio movie "Hams Wide World" prepared by ARRL. We are securing this from S.E. Div. Director Dale Streiter W4DQS of Cocoa Beach. It should remind us of the many enjoyable moments we get from our hobby.

Our Club is growing steadily so if you live around Broward County, or visit here, join us and get us acquainted with you.

See you July 8 at First Federal Savings and Loan at 7:30 PM.

SUNCOAST ROVING REPORTER

By Cathy Soehl

W4BAV AREA ARNS

SPARC (St. Petersburg Amateur Radio Club) had a very interesting meeting in June, when Lon Cooper, Pres. of Cooper Radio Co., spoke on Tape Recorders. He explained the progress made from the first recording in 1983 to date; also played excerpts from some collectors tapes such as sounds that are no longer heard (the steam engines and train whistles, etc.); old radio programs; prop engine airplanes and present jet planes taking off, with finally the latest Lenny Dee recording. Samples of tapes, including computer and video tapes were displayed and explained how they are used.

A new Net is on 50.3 MC every night at 7 PM, known as the Psycho Net-Gator



Field testing W4IZ's (NOFARS) communications center. The truck is equipped for SSB CW on 80-10 meters (two positions) and 2 and 6 meter AM, as well as 2 meter FM. But, the unique feature about this ham mobile unit is its permanent ATV installation for Civil Defense disaster coverage. The truck is completely self-contained including 3-KW generator and mounted 50-foot mast with various antennas for all band coverage. (Photo by Ray Stafford)

Chapter. A certificate is available for working 5 Charter Members within 50 miles of Bradenton, Fla. or 3 members beyond the 50 miles. A list of contacts, together with 50c, sent to WB4MPF-Jack Gray, 266-22nd Ave. N.E., St. Petersburg, Fla. 33705, will result in your receiving a most unusual piece of wallpaper.

WA4ACG, John Smith and XYL, Katherine went to Calif. to attend a wedding and when they return to St. Petersburg, will then go North to visit John's Brother.

K4GZ, Cal and XYL, Minna May Louis left June 14th for Long Island, N.Y. to spend a few weeks with their daughter and family, before returning to Port Salerno and preparing for their trip to California.

Hope all will enjoy a pleasant Summer, but hurry back as you are missed.

SOUTHERN SECTION OF COUNTRY COUSINS

By Cathy Soehl
W4BAV AREA ARNS

The Orlando Hamfest is the place the Country Cousins hold their annual meeting, in conjunction with a breakfast May 24th this year. There were 34 present and the new officers elected were: President, WB4DRM - Howard McNeely; 1st Vice-Pres. and Net Mgr., W4THO - Joe Gray; 2nd Vice-Pres. and Project Mgr., W4BGE - Jim Lester; Secty-Treas., K4BLM - Stan Offenbutter; Asst. Secty-Certificate Custodian, Helen Duncan, XYL of W4LTW - Orlando; and Chaplain, WA4YRU - Chet Plank.

WA4HJX, Harvey Bachelder and XYL, Ann spent 3 weeks vacationing at Siesta Key; Harvey having recently retired. W4BAV, Cathy and W4GHR, Bill Soehl enjoyed a couple of get-togethers with them. Harvey should be checking into the net more regularly.

WN4PLZ, Jeannette Perry is now on the air, through the efforts of WB4DRM and WA4GMB. Trust many of the Cousins will get down on 40-meters Novice band and work her.

WA4JBS, Kathy and OM, K4BUW, Sam Murray have moved to Colorado account of Sam's ill health.

Freddie Offenbutter, XYL of K4BLM, Stan, is recuperating from her operations, though they could not make Orlando.

Don't forget the Country Cousin Net, every night, 10 PM, 3970 kHz. Everyone welcome to join us and a nice certificate is available for checking in 4 out of 5 same week nights, and sending 2 - 6c stamps to Asst. Secty.

AMATEURS IN FLORIDA

The Summer 1970
CALLBOOK list Florida with
the following totals:

Novices	567
Technicians	1,688
Conditional	1,833
General	3,761
Advanced	2,378
Extra	469
Clubs	104
Military	25
XYL	411
STATE TOTALS	10,825

TOTALS By District:

1st - 20,897	6th - 40,024
2nd - 36,108	7th - 20,190
3rd - 21,599	8th - 28,854
4th - 36,906	9th - 26,542
5th - 26,437	10th - 25,297

Grand total USA - 286,088

TOP - TEN FLORIDA

SINGLE - OP CW

1. K4JWM	39,753
2. K6QPH 4	26,163
3. W4ILE	24,544
4. K4YXJ	23,432
5. W8BZY 4	22,273
6. W4FRO	18,020
7. K4IEH	15,694
8. W4YUU	14,600
9. WB4NDZ	13,500
10. W4LK	10,350

SINGLE - OP FONE

1. WB4PXW	56,508
2. WB4DJT	39,864
3. W4RAP	18,256
4. WB4JRV	13,800
5. W4FRO	13,440
6. W4RTE	13,340
7. WA4KJV	12,000
8. W4DRK	10,908
9. WB4GHD	10,019
10. WB4OPL	9,144

TOP CANADIAN FONE

VE3PQ	972
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TOP CANADIAN CW

VE3CQA	2,418
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TOP DX FONE

DJ2JO	240
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TOP DX CW

SMODSQ	1,364
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FLORIDA SINGLE - OP FONE

Alachua W4DRK	10,908
Brevard W4RTE	13,340
Broward WA4KJV	12,000
Broward WB4JRV	13,800
Dade WB4NDZ	945
Dade WB4GHD	10,019
Hillsboro W4IYT	1,725
Ind. River WB4HNL	4,560
Lee W4FRO	13,440
Lee WB4PXW	56,508
Okaloosa W4FDJ	1,575
Orange WB4OKY	795
Palm Bch. W4RAP	18,256
Pinellas WB4OPL	9,144
Pinellas K4TRH	7,320
Seminole WB4LFV	4,033
Seminole WB4FSF	1,476
St. Lucie WB4PWE	739
Volusia WB4DJT	39,864

MULTI - OP CW

Broward K4IQJ 4	4,572
(IBM A.R.C.)	

Duval W4IZ 4	23,160
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Polk WA4UFW WB4EYX	
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Polk WB4IAE	
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Polk WA4ZGI	29,512
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Polk WA4ZGI K4YBE	
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PORTABLE FONE

Liberty K4GRD 4	32,896
Volusia K4BV 4	3,638
Collier W4OZF m	135

PORTABLE CW

Liberty K4GRD 4	36,300
Collier W4OZF m	3,605

MULTI - OP FONE

Alachua W4DFU	36,335
(K4BGF WB4IUJ	

WB4PFN WB4DOL	
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WA4VLQ WB4JAO	
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WA4DEL)	
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Brevard W4NLX	13,112
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(WA4KJV W4EWB	
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K4RBD WB4EBH	
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WA4RIA	
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Broward K4IQJ 4	11,352
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(IBM A.R.C.)	
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Dade WB4INC	50,853
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(WB4INC WA4RRB	
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W4NVU	46,809
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(W4WYR W4BYB	
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WB4CBP	24,650
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(WB4CBP WA4ABY	
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Duval W4IZ 4	13,112
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(WA4UFW WB4EYX	
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WB4IAE)	
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Orange K4PWC	13,770
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(Fla. Tech. Univ.)	
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Palm Bch. WB4FPB	16,950
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FLORIDA SINGLE - OP CW

Alachua W4DRK	1,176
Brevard W8BZY 4	22,273
Broward WA2JIT 4	7,636
Broward WB4NDZ	13,500
Broward WB4OGW	9,963
Dade W4OZF	9,944
Dade WA4NBT	1,914
Dade K4JWM	39,753
Dade W4ILE	24,544
Dade K4YXJ	23,432
Dade W4HOS	9,724
Dade WA4OFS	1,534
Duval WB4IAI	10,215
Duval WB4LEQ	5,460
Hillsboro WB4HNL	8,064
Ind. River W4FRO	18,020
Lafayette W8WVU 4	7,436
Okaloosa K6QPH 4	26,163
Orange W4YUU	14,600
Pinellas W4LK	10,350
Seminole K4IEH	15,694
St. Johns W4UHC	5,850
Volusia W4FY	375
Volusia W4ZOK	9,400

TOP-TEN OUT OF STATE

SINGLE - OP CW

1 WA8ZDT	3,525
2 WA4FFW	3,406
3 WA1JKZ	2,575
4 WA5VDH	2,550
5 VE3CQA	2,418
6 K1QFD	2,185
7 K2UAR 2	2,075
8 W8SH	2,016
(WA3GRU - op)	
9 WA9WLF	1,863
10 W7ULC	1,840

SINGLE - OP FONE

1 WA1JHQ	5,307
2 WB4KZG	2,375
3 WA8ASV	1,900
4 W2PU	1,575
(K4BNC - op)	
5 W9ITD	1,159
6 W4CRW	1,120
7 K1PKQ 5	1,071
8 WB3HEO	1,071
9 VE3PQ	972
10 WA8TDY	864
11 WA8TNO	864

OUT OF STATE FONE

AR WA5VDH	312
W5WEE	213
CA WB6AUA 6	455
WB6YNK	372
W6QFU	300
CT WA1KKM	490
GA WB4AEG	144
ID WA7DNB	70
IL WB9CPB	705
W9PFD	560
W9CRN	462
WA9WLF	88
K3LQJ 9	60
W9LNQ	36
IA WA0NVM	144
MS WA1JHQ	5307
WA1JKZ	200
MD WA1LBU	36
MI WA8ASV	1906
WA8TDY	864

W8SH

(WA3GRU-OP)

K8IFK	465
WA8VXE	198
MN WA0WV	88
MO WA2ITR 0	25
MT WA7IIG	210
W7GKF	42
NB WA0RQK	220
WA0YPY	209
WA0LRQ	48
NV WA7BAV	765
NJ W2PU	1575
(K4BNC-OP)	
WB3HEO	1071
NM W5QNY	56
NY WB2IKN	392
WB2WOI	377
WB2MUK	36
NC WB4KZG	2375
OH WA8TNO	864
WA4RIJ 8	351
OK WA4WCK	468
OR WA7LDZ	84
PA W3CUP	496
WA3JBN	140
SC WB4GGA	176
SD WA0SBR	357
TN W4MEA	240
TX K1PKQ 5	1071
W5ULN	468
VA W4CRW	1120
K4OD	154
WA K7AWB	77
WI W9ITD	1159
WB9BAH	630
WA9NBU	495
W9KXK	476
WA9TZD	372
WA9VJ	36
WY W7VJ1	112

CANADA

VE3PQ	972
VE4EL	338
VEEBQ	180
DX	
DJ2JO	240
HK5CBR	160
SM3BCZ	77
NL135 (SWL)	36
OX5BL	35
CR7IZ	1

OUT OF STATE CW

AL W4GHV	25
AR WA5VDH	2550
WA5LJO	1176
K4DGJ 5	893
CA W6QFU	429
WB6KOR	496
W6KYA	136
CO WOMNF	25
CT W1EJ1	120
DE WA3KFR	416
GA WA4CZM 4	1020
WA4TXV	629
K4BAI	134
HI KH6HAM	171
ID WA7DNB	405

(Continued on Page 16)

Platinum Coast Amateur Radio Society's 5th ANNUAL HAMFEST

SEPT. 12, 1970 MELBOURNE CIVIC AUDITORIUM
MELBOURNE, FLORIDA



GATOR NET

By Ev, W4IA

GN continues its steady, reliable service, thanks to a fine bunch of operators. We are happy to welcome Bill, W4RHA to the fold. He recently moved to Satellite Beach from Virginia. Rj, W4EHW continues his 100 percent attendance record and was NCS eleven times in May.

Seen at Orlando Hamfest were GN reporters, K4GJ, W4YPX, K4EHY, W4ILE, W4IYT and W4IA. Sorry more of you couldn't make it.

W4IA would like to receive bits of news of your activities so we can get to know each other better. Let's try to originate more traffic — it will help GN and the whole traffic system. For the uninitiated, GN time and place are 0630 EDT... 7113 kHz.

FLORIDA FAA NET

By George Cooper, W4EH

May was a somewhat less rough month than April. The attendance was still somewhat reduced but things were looking up in June and we are in hopes more stations will join us. We urged all members to join this get-together.

K4MY Ralph was a recent new check-in. K4MV is the proud new owner of a Classic 33 Tri-Band beam. Hope we don't lose Floyd on the net with him DX-ing, after he gets that thing higher than his banana tree.

K4RX, Charlie Marenus from Hernando is under extensive care at the Ocala hospital. All members of the FAA net trust Charlie a speedy recovery.

W4YB, Stark Totman checked in from the Carolinas on his trip North and it is hoped we can keep current with Stark thru the Monday SSB net.

W4JVA, Paul advised he has a new neighbor K4EEL from the FAA. Joining us very soon.

THE OLD PHOTO

Last month SKIP printed an excellent old old time photo showing a complete 1923 amateur station belonging to 4FT. We offered \$5.00 to the first person to list the most equipment in the photo. We received 8 letters and cards. Thanks to all for sending your listing.

The winner of the \$5.00 is Mr. Franklin Atlee, K4PI of St. Petersburg Beach. See his letter to Editor for complete list. Congratulations Frank!

By the way, if you are interested in antique communication equipment, make an appointment with K4PI to visit his famous Franklin Museum of Communications located at his home — 92 - 31st Ave.

**DON'T FORGET
10TH IS DEADLINE
FOR ALL COPY**

W4LIU, Pete Pearson had a very nice visit with his old friend, W4ASN, John Schaffler.

The members of the FLORIDA NET wish to extend to W4SCK "LJ" and his XYL their congratulations on their recent "Golden Anniversary".

W4K1, Jim Carl on a vacation from Prairie Village, Kansas with his travel trailer had a very bad accident while taking a shower. Thru Paul, W4JVA he made arrangements for a doctor to meet him on his arrival back to Kansas from the Smokey Mtns. At last report Jim was much improved and back to work. But it does point out the fact that this type of accident is the highest in the nation. So let's all be a little more careful.

See you 9:45 AM 1345GMT 7200 KHz.

TROPICAL PHONE NET

By Ken, W4SMK

The Summer gremlins are beginning to plague the TPTN once again in the form of static, fade outs, and other assorted problems. At 6 PM some of the signals sound a bit anemic here in South Fla., but usually by the time roll call is over band conditions have improved quite a bit. WB4HNL, net manager, reports a particularly bad case of line noise in his area. So if the net controls don't hear you the first time don't blame them for having poor receivers or a dead battery in their hearing aids, it's probably just band conditions.

We have always contended that operating 50 meters in the Summer time in Fla. is what separates the real operators from the weak at heart, so hang in there you traffic handlers. It's good to hear W44KDL checking in again from New Port Ritchey. Other additions to the roll call are: WB4KPK, Joe in Tampa, W44NNB, Vince in Gainesville, and WB4QNC, Phil at St. Pete. Glad to have you all with us.

WB4EPD, Rich from Clearwater, is making his swan song as NCS on the TPTN in June, and we wish him all the best in his new pursuits. Check in when you can, Rich. Some of our other Net Controls are WB4HNL, net mgr., WB4KUZ, WB4OMG, WB4HTJ, and W4SMK. Anyone else who would like to take a hand as a regular or alternate NCS please contact WB4HNL. I'm sure we can find a spot for you.

When operating in the net please make an extra effort to get on the frequency and stay there. Many stations are wandering too far off for the NCS to copy, and this is especially bad if NCS has a transceiver since he dare not tune for you. Some net controls such as WB4EPD and W4SMK have naturally bass voices, and if you try to tune them in so they sound like tenors you are going to be off frequency. Also remember that even the best transmitters drift a little, so check them every few minutes for zero beat if you start out cold.

FLORIDA MIDDAY TRAFFIC NET

By Herb, W4LSR

Those of you who were unable to attend the FMTN Luncheon at the Orlando Hamfest missed a wonderful time and we all missed you. The food was real good and well served. The location for the luncheon was perfect and the "eyeballs" were most enjoyable. There were over 40 of us members and spouses, and what a grand

bunch of people we have in our net. And we owe a great big vote of thanks to Ev Shea, K4UIZ, the Program Chairman, for arranging the event for us. While we are on the subject of the Orlando Hamfest, The Florida Midday Traffic Net handled 97 pieces of hamfest traffic.

A hearty welcome is due our new members for May. They are Mac, W4LJK, Pompano Beach, who has been a real big help to the net in the prolonged absence of Birch WB4AIW. Also Henry, W4ZIR in Homestead, Steve, W44RUE, West Palm Beach and the Kennedy Space Center Club Station, WB4ICJ.

The Florida Midday Traffic Net held 26 sessions in May. 834 Stations handled 338 pieces of traffic. Average stations 32 and average traffic 13.

Charlie W4AKB is about to leave on a prolonged vacation trip which leaves the Thursday NCS spot open. Too bad Ruth found her antenna traps full of rain water when she and Clare returned from Orlando or we may have come up with a lot sweeter voice than Charlie's.

Have you heard Bill, W44RQR running mobile with his new Drake? Sounds great. And Mac, W4FPC really puts out with his new Signal One.

It's going to be fine to hear our younger members back on the net daily after school vacation starts. We have missed you gals and guys.

FLAMINGO

TRANSMITTER HUNT

If you missed the Flamingo Net (29.044) Sunday afternoon Transmitter Hunt on June 7th, here's the dope. K4JXL, Ron, found the "bunny" first, with W44BAL, Bob, second, and W4GJ, Walt, as third. We had a beautiful turn-out with 21 eager loop twisters.

W4DWN and K4CYF, Walt and Dora, just missed being third, with W4ABI, W4JO, W44GGJ, K4TT, and W4RWT trailing the pack.

K4JXL has accepted responsibility of hiding the bunny next month, so don't miss the next one; details will be arranged on the Flamingo Net which meets each Friday evening, starting at 7:30 EST. This is an old fashion AM net, now in our 17th year with approximately 1200 honorary members. Join us on 29.044 Flamingo Friday.

W4JO Activ. Mgr.

7265 NET

By Rick WB4JRV

The Orlando Hamfest is long gone, and it was good to see just about everyone.

We wish to welcome some new stations to our net: K4BML, Jerry; WB4MIQ, Biff; WB4NTH, Bob; WB4OMG, Buddy; WB4QNC, Phil; and WB4PWD, Ross. Our roll call now consists of 18 stations.

Gary, WB4IHI will be off the air for a while, hope he gets back soon. Tom, WB4OPL is going to Rhode Island for the summer.

Traffic and check-ins for May are up. We held 4 sessions with a QNI of 67, an avg. of 15.8; and a WTC of 36 an avg. of 6.5. 73, es CU on the net.

COUNTY HUNTING

If you are interested in County Hunting, why not join the County Hunter Nets. One is Saturday on 14070 kHz at 1400 and 2000 GMT - another Wednesday, 7055kHz, 2400 also Sunday, 7055kHz at 1600 GMT. All amateurs are welcome. We have a half-dozen or so stations that operate mobile or portable from the rarer counties. If you operate mobile or portable please let us know. Call for the net is "CQ CHN de... QNI... 73 Jim, K1ZFQ.

TRAFFIC HOUNDS

Net	QNI	QTC	Avg. QNI	Avg. QTC	Sessions
FMTN	834	338	32.0	13.0	26
QFN	690	458	11.3	7.5	61
TPTN	703	157	27.0	6.0	26
FAST	786	153	30.2	5.1	26
GATOR	264	152	8.5	4.9	31
FPTN	575	118	22.1	4.6	26
NHN	20	8	4.0	1.6	5
WFPN	261	16	—	—	18

TOP 20 TRAFFIC TAKERS

1.	WA4SCK	593	11.	W4LSR	75
2.	WB4HKP	342	12.	W8BZY/4	59
3.	WB4HJW	292	13.	W4NGR	57
4.	W4FPC	169	14.	WB4HNL	56
5.	W4ILE	149	15.	W4KRC	55
6.	W4SDR	118	16.	K4DAX	49
7.	8R1Y/W4	117	17.	WB4GHD	49
8.	WB4ICJ	114	18.	WA4UQQ	44
9.	WA4IJH	103	19.	W4IA	43
10.	W4BKC	101	20.	K4GJ	40

ORLANDO HAMFEST

Without a doubt this year's Orlando Hamfest was the biggest on record. The official count is unknown at this time but a safe guess would be over a thousand. This figure also takes in the first VHF FM Convention, held at the Jamaica Inn next to the Hilton, May 23-24th. We were told by a member of the Orlando Radio Club that many persons at the swap tables and in the main hall failed to register, which cut deeply into their income to pay for prizes and other hamfest expenses. For shame!

We are happy to report the FLORIDA SKIP booth took in a record number of subscription and renewals for the Orlando



TWO WELL KNOWN "OLD GOATS" enjoying the St. Pete Hamfest, Bill "Shipwreck" Budd, W4WDX and "Blue Eyed Betty Goat" Cal Louis, K4GZ.

Hamfest. We would like to thank all the hundreds of amateurs that took time to stop by and say hello. We enjoyed seeing you all very much.

Congratulations to the Orlando Radio Club for a fine hamfest. See club column Orlando Ramblings by W4BKC for details.

HR-1121 DIED

We are sure you will be happy to know that the Senate Bill to increase amateur radio special automobile tags to \$5.00 was killed. The rate is still only \$1.00 plus .50 cents service fee plus your weight registration tax.

For you newcomers to Florida who are not of the automatic mailing list from the Highway Safety and Motor Vehicles in Tallahassee, you may make a request to them at 107 West Gaines St., Tallahassee, Fla. 32304 for a DMV Form HR1, Revised 3-70.

If you desire July 1st mailing of the new tag, which is the date 1970-71 tags go on sale, they suggest you submit your application with the proper remittance soon as possible. Make your request attention to Billy B. King, State Office tag agent.

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SOLID STATUS Part 2 of a Series

By Dick Blasco WA4DHU2

The Rock that Amplifies.

In part 1, the basic P-N junction was presented and some of its properties were discussed. In the late 1940s engineers put two of these junctions "back-to-back" as in figure 1. They found that if the "base" region were made very thin, the device could amplify. Amplification is the ability to control a large voltage or current with a smaller voltage or current. Just what goes on in this device to make it able to amplify gets you into modern physics and fancy mathematics, but we can assume that it does work. The device is, of course, the transistor.

The two types of transistor are shown with their symbols in figure 1. Each type has its advantage and disadvantage. It turns out that PNP transistors were easier to make from Germanium, and most early transistors were Germanium PNP. Silicon has become popular for modern transistors primarily because it isn't quite as sensitive to temperature as Germanium. So you will find that most transistors now on the market are Silicon, and also NPN, since this type is easier to make. Germanium is still used in low-voltage applications where its 0.3 volt forward barrier potential as compared to 0.6 volts for Silicon becomes very important.

Figure 2 shows the junction definitions and imaginary back-to-back diodes are sketched to represent them. Normal direction of current flow is also given. NOTICE THAT THE ARROW IN THE TRANSISTOR SYMBOL POINTS IN THE DIRECTION OF NORMAL EMITTER CURRENT FLOW (assuming current from positive to negative.)

You might wonder at this point why a transistor can't be "turned around", connecting the emitter where the collector should be and vice-versa. This is undesirable, since the base-emitter junction is specially designed for high gain and the collector-base junction is designed to conduct heat, since NEARLY ALL OF THE POWER DISSIPATED IN A TRANSISTOR IS DISSIPATED AT THE COLLECTOR-BASE JUNCTION.

Transistors have three regions of operation as summarized in Tables 1 and 2. At cutoff, the transistor looks like an open circuit, and there is NO GAIN and very little power dissipated, since current is essentially zero. As the base-emitter junction becomes forward-biased and passes the barrier potential, the transistor enters the active region. Here amplification and power dissipation take place, since current is flowing and there is a voltage drop across the reverse-biased collector-base junction (Power equals Voltage times Current).

Since the base-emitter junction is forward-biased, its voltage drop is characteristic of a P-N junction and is relatively constant (between 0.4 and 0.7 volts for silicon), as will be further discussed in the next article. The low voltage drop means lower power dissipation than at the collector-base junction. The relatively narrow voltage range means that collector CURRENT is being controlled primarily by base CURRENT, and you may have heard that the transistor is a current-operated device for this reason (as opposed to FETs and vacuum tubes, where a voltage swing on their control elements causes output current variation and gives them the properties of being voltage-controlled devices). Strictly speaking, it is really the base-emitter voltage (even though the variation is small) which is controlling current, but that is a fine point for engineers to worry about.

In the active region the transistor has gain, and this gain is expressed by two parameters: beta and transconductance gm. D.C. beta is the ratio of a steady collector current to steady base current. A.C. beta is the ratio of the change in collector current due to a change in base current, and depends on biasing and frequency. AC beta is generally lower than DC beta, but is usually close enough that one number is given for both. You should be aware of the difference, because it might get you into trouble if you try to use the DC beta for an audio transistor at 2 meters! Typical betas run from 50 to 200 for modern transistors.

Gm is the same thing as the vacuum tube equivalent. It is an A.C. parameter that measures the ratio of collector current change to base-emitter voltage change. It can be shown by fancy mathematics that gm depends almost entirely on collector current,

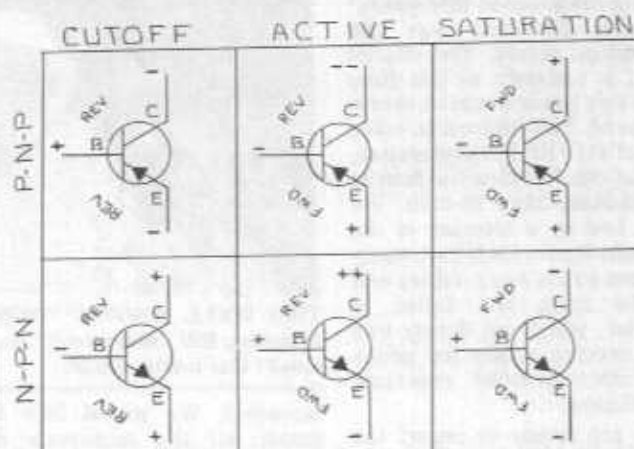


TABLE 2 - BIASING

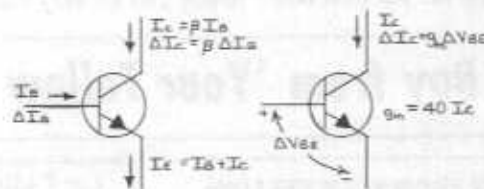


FIGURE 3 - TRANSISTOR PARAMETERS ACTIVE REGION ONLY

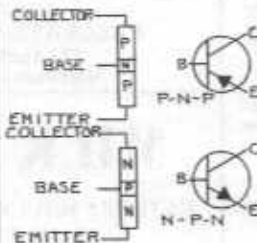


FIGURE 1 - TRANSISTOR TYPES

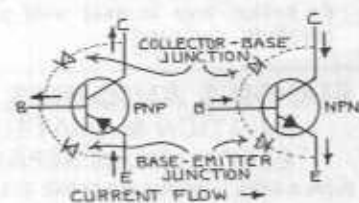


FIGURE 2 - JUNCTION DEFINITIONS

TABLE 1 - OPERATING REGIONS

	BASE-EMITTER REVERSE	BASE-EMITTER FORWARD
COLLECTOR-BASE REVERSE	CUTOFF	ACTIVE
COLLECTOR-BASE FORWARD	IMPROPER BIASING	SATURATION

and is roughly 40 times collector current, regardless of the transistor type! Unfortunately, it is far less useful for current-operated devices and normally everything is described in terms of beta.

As base voltage reaches the point where the collector-base junction becomes forward-biased as well as the base-emitter junction, the transistor enters the saturation region. At saturation, the device is basically a short circuit. Very little power is dissipated, since even though current is flowing, the voltage drops are all very low. NOTICE THAT AT CUTOFF AND SATURATION THERE IS NO AC GAIN, AND gm AND AC BETA ARE BOTH ZERO IN THESE REGIONS. There may be some DC gain at saturation, but this depends on the degree of saturation and is relatively unimportant. You might note that vacuum tubes and FETs have the same three states: cutoff, active, and saturation.

That basically covers the important properties of transistors. The next step is learning how to bias the transistor to put it into the region you want, which is the topic of part 3.



Florida SKIP DIRECTORY

Each month you will find the following listings. Keep it handy ARRL Officials are listed free. Florida Nets are listed free upon notification from net manager. Clubs listed for \$12.00 per year. (Free to clubs taking box ads elsewhere). Any individual may be listed for \$5.00 a year. (The ones who really care.) Let's fill up this page!

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2nd Thursday, 7:30 P.M.
Duval CD Headquarters
107 Market Street
Jacksonville, Fla. 32202

ST. PETERSBURG AMATEUR
RADIO CLUB, Inc. W4GAC
Meetings: 1st Friday
Azalea Community Center
1400 — 72nd St., No.
Mailing Address: P.O. Box 4026
For information phone:
345-0464 or 826-4294

ORLANDO AMATEUR RADIO
CLUB, INC.
3rd Wed., 8:00 p.m.
First Federal Savings & Loan
on Edgewater Drive. Mailing
Address: Box 13267,
Orlando, Fla. 32809
2 Meter Net — 145.350 kHz
Mon. thru Thur. 7 p.m.
More info: call 644-9896

FLORIDORA YLs (W4FE)
All licensed Florida YLs invited to join.
Mailing Address:
W4KOH — Ernie McMasters
Rt. 1, Box 594
Lake Placid, Fla. 33852
1400Z on 3933 Tues. and
Wed. 8 p.m. 3938 KC

GAINESVILLE AMATEUR RA-
DIO society, K4DPZ 1st Tues.
8:00 p.m., Alachua CD Head-
quarters Basement, County
Court House, Mailing Ad-
dress: 1421 SW 13th Ave.,
Gainesville, Fla. 32601

TAMPA AMATEUR RADIO
CLUB, INC. W4DUG
Meetings: 1st & 3rd Mondays
7:30 p.m.
Club House: Davis Islands,
Columbia & Barbados
Mailing Address: 943 Cimmeron Ave.,
Tampa, Fla. 33603

SARASOTA AMATEUR RADIO
ASSN. INC.
meets 3rd Tuesday of each month 8 p.m.
At Sarasota Federal (S. Gate Branch)
Club Call W4IE in memory of Charlie
Service

SOUTH MIAMI RADIO CLUB, INC.
K4JVA 1st and 3rd Fri., 8 p.m.
Coral Gables Police Station
285 Aragon Avenue
More info call:
446-2478 or 667-4564

DAYTONA BEACH AMATEUR RADIO
ASSOC. K4BV
Meets 3rd Mon. each month
American Red Cross Bldg.
800 Volusia Ave.
Mail: P.O. Box 1606
Daytona Beach, Fla. 32015

GULFSTREAM SOCIETY OF AMATEUR
RADIO OPERATORS, INC. — WB4FPB
Meets 2nd, 3rd & 4th Fridays
7:30 p.m. Room 23, Civic Auditorium
Mailing Address: P.O. Box 461
Lake Worth, Fla. 33460
Phone: 582-3879

Hollywood Amateur Radio Club,
3rd Monday of month at 8 p.m.
Science Lab, Chaminade High School,
51st Ave. and Johnson St., Hollywood
Mailing Address: P.O. Box 6306,
Hollywood, FL 33021
Visitors always welcome.

PERSONAL LISTING

Sandy Donahue, WA4ABY
P.O. Box 1602, Hialeah, Fla. 33011 "Get
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tification. It can convert the
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language, write the information
into magnetic tapes, paper
tapes or punched cards.

We need one of these
machines to proof read the long
editorials of one of the ham
magazines I subscribe to. When
the information is put into data
form, in the interest of
preservation of peace in the
amateur fold, it should then be
destroyed.

NORTH PARK TV

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Thor 6 w AC	109.00	HA 10 (LF Conv. SX 117)	19.95
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TR3 w AC	419.00	HW 12 w DC	99.00
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● GALAXY		HW 10 6 meter	89.00
Galaxy V Mark III w AC	329.00	HD 11 "Q" multiplier	8.00
Galaxy V Mark II	225.00	● LAFAYETTE	
● GENERAL ELECTRIC		HE 35 A	39.00
Pacer 2 meter FM (FMR)	125.00	HE 61 VFO	9.95
● GONSET		● NATIONAL	
Comm. IV 6 meter	109.00	HXC No. 3 w AC	199.00
77 A w AC-DC	49.00	NC 188	89.00
GSB 100	109.00	NCX 1000, sealed carton, special sale	795.00
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An Advertising inch is measured 1/4" vertically on one column, i.e., 4 columns — 40 column inches to a page. Rate card by column inch supplied upon request. FLORIDA SKIP, Advertising Department, P.O. Box 501, Miami Springs, Fla.

FOR SALE: Drake TR-3 with AC, filter, D-104 mike, SWR, Heath Keyer, New dipole, Blitz bug, very reasonable. Write V.V. Smith K4DJY, 4925 N. Federal Highway, Apt., 313-G, Oakland Park, Fla.

FOR SALE: Five element, six meter Mosley A-56S beam. Still in unopened carton. Won at hamfest. Interested in 15 meter beam. Bill Kemper, W4KOF, 10601 S.W. 83 Ave., Miami, Fla. Phone 274-0231.

FOR SALE: Millen GDO latest model. In plastic case with extras, \$55. Sencore Color dot bar generator used once. Cost over \$100. Sell for \$58. Degaussing coil full size, \$7. GE five inch scope, old model but checks out good, \$50. FOB but will deliver if you buy it all, Charles Crowley, WA4EDW, 2310 Manatee Ave., West, Bradenton, Fla. Phone 747-3272.

HAM TRANSFORMERS Rewound. Jess Price, W4CLJ, 411 Gunby Ave., Orlando, Fla. 32801.

FOR SALE: Heath GR-88 Aircraft Monitor. Still in original sealed carton and thus unopened. With AC supply. \$55. Will pay freight out of Dade County. See latest Heath catalogue for specs then buy from me. Sandy Donahue, WA4ABY, P.O. Box 1602, Hialeah, Fla., 33011.

FOR SALE: 40 ft. tower, two element quad, CDR Rotator cable and coax complete. Rust on tower. Cost new \$365. Sell for \$150.00. You pick up. L.W. Van Slyck, W4YM, 406 Bon Air, Temple Terrace, Fla. Phone 988-4213

MIAMI WIDOW MUST SELL: Fone station of W4EBW. Collins S-Line, Linear, Mike, Hy Gain 20M. Beam Antenna, 50 Ft. Tower (tilt-over), plus vertical. All \$800.00. Call 751-4686, 8 to 10 am or pm. Terms considered for reliable party. Kathryn E. Shafer, 490 E. 113th St., Miami, Fla., 33161.

WANTED: Any OOTC members who would like a 40 meter SSB net, weekdays, about 11 am to noon. Wally Wolford, WA4QPR, 3267 - 36th Ave. N., St. Petersburg, Fla. 33713.

FOR SALE: Hy-Gain TH-3 (2KW) Senior 10-15-20 Beam \$70. "Pick-up only" SX-101 MK III Selectable SSB recvr \$95. Viking Vallant II (wired for SSB adapter) \$90. HA-460 Six meter, with five element beam \$90. HE50A Ten meter mobile rig \$40. Write Bob, WB4BYJ, 310 Noel Road, Orange Park, Fla. 32073 or Phone 264-2609. First certified check holds any item.

FOR SALE: CLARE HG-1002 mercury wetted contact relay, perfect for electronic keyers \$2.00 each. Simpson hi-sen relay, model 800C .10 ua, 7000 ohms, plug in type \$2.00. Heath Kit tube checker mod. TC-2 \$10.00. TELETYPE paper, continuous fold, miles long. \$3.50 per case. 6 meter 3 ring halo mobile or fixed antenna, \$6.00. Heavy duty 10 meter ground plane \$10.00. QSTs CQs back issues 10 cents each, my choice or 12 for a buck. All FOB. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 Phone 888-3874.

FOR SALE: Hallicrafters TO Keyer, model HA-1 mint condition. Ray Farwell W4BJ 370 N.E. 147th Ter., North Miami, Fla. 33161

FOR SALE: Heathkit SB-101, HP-21A, SB-600 and mike, \$300. SB line in mint condition. Heathkit Sixer, \$15. Johnson Ranger I, \$45. National NC-57B General Coverage Receiver, \$30. Navy Surplus rcvr, \$15. James Gagliolo, WB4IME, 5501 46th Ave. North, St. Petersburg, Fla., 33709. Phone 544-7277.

FOR SALE: 40 ft. EZ Way tower, Ham + +M- Rotator, Hy-Gain TH-4 beam, all for \$150. W4RYG, D.M. MacBeth, 1421 W. 82 St., Hialeah, 33012, Tel 821-2275.

FOR SALE: TR-3 with spare finals \$300.00. AC-3 \$50.00. SB-200 with spare finals \$190.00. All A-1. FOB. On the air. D. S. Arnett WA4CVT, P.O. Box 148, Key Largo, Fla.

WANTED: COLLINS FILTER F455FA31 or F455FA40 or F455FA50. Also crystals for ten meter fone or cw for 755 or 32S Collins except *28.5 28.7 kHz. Chuck Bolvin, K4KQ, 2210 SW 27th Lane, Miami, Fla. 33133. Phone 448-5493 after 6 p.m.

CUSTOM CONSOLES for amateur radio stations. Equipment may be updated by changing only front panel. Inquiries and orders now being accepted. Literature with pictures available. "Ace" Goodwin, W4WEU, 2510 Via Havarrre, Merritt Island, Fla. 32952.

FOR SALE: SBE-34, mobile mount, and hand mike in A-1 condition \$280.00 FOB. Keith O'Brien WA2JIT 4, 8401 North Atlantic Ave. No. L-15, Cape Canaveral, FL 32920.

NOTICE: The ARRL LO net is closed down for summer. Watch for reopening date in September. Happy vacation gang.

FOR SALE: KWS-1, kilowatt SSB CW, 200 watts AM, \$475.00 and you pick up. Chuck Bolvin K4KQ, 2210 SW 27th Lane, Miami, Fla. 33133 Phone 448-5493 after 6 p.m.

FOR SALE: Measurement signal generator with instruction book. Model 82 covers 20 cy or 200 kcy and 80 kc to 50 MHz. Write K4DQZ, 1226 Archdale, Lehigh Acres, Fla. 33936.

OLD TIMERS and antique gear collectors. Limited number new copies of 1961 edition GREENWOOD'S PICTORIAL ALBUM WIRELESS & RADIO 1905-29 available \$3.00 each. PPD. George Haymans WA4NED, Box 468, Gainesville, Georgia 30501. First come, first served.

FOR SALE: Collins 75A4 with speaker \$300.00. Heath Comanche MR-1 with HP-20 power supply \$30.00. SWAN 117XC power supply \$55.00. Lafayette HA-650 6 meter transceiver \$30.00. Dick Mitchell W4WWB, 3638 Washing St., Hollywood, Fla. 33023 phone 989-7928.

FOR SALE: Heathkit Marauder transmitter HX-10 \$160.00 also matching Mohawk receiver \$125.00. H. Alan Harp WA4SVH, 718 Magnolia Dr., Lake Park, Fla. 33403 Phone 305-848-4017.

FOR SALE: DRAKE R-4A in mint condition, first \$275.00 certified check takes it. Hal Bates, WA4FIU, 86 Ventura Dr., Dunedin, FL 33528 Phone 813- 733-4245.

FOR SALE: COLLINS 75A3. 6 meter transmitter, keyer, paddle, linear parts, Ham-M new factory sealed. 20 meter Hustler, mount, Misc. equipment and components. Alan Small, WB4MPN, 1564 SE 5th St., Deerfield Beach, Fla. 33441.

FOR SALE: Hallicrafters SR-160 SSB transceiver with a.c. supply, Excellent condition \$250.00. G. James WA4JSW, 995 Nicklaus Dr., Rockledge, FL 32955.

WANTED: Collins 32V3 transmitter in good condition for c.w. operation. Will pay cash and transportation to Key West or the address given. Harry W. Dreyer K4HEN, RD 2, Box 40A, Sugarloaf Shores, Fla. 33044 Phone (305) 745-3169.

TRADE OR SELL: AF-67, PMR-a, factory a.c. d.c. power supply, 6 meter pre-amp, 12 VDC d.c. relay, mike. Both units operate 6 - 80 meters. Trade for NC-300 or SX-101. etc. **FOR SALE:** 2 - Eico model 460 windband oscilloscopes, factory wired ser. No. 70304, \$3965, \$100.00 each. Robby Terry, P.O. Box 703, Cape Coral, Fla. 33904 Phone (813) 542-2119.

FOR SALE: Ht-37, Drake-2B with Q-Mult., Coax switch and 14-AVQ trap vertical. All for \$300.00. Mrs. Howard Hicks, Ft. Lauderdale, Fla. Phone 587-3822.

FOR SALE: Drake 2-C receiver with matching speaker \$195.00. Drake 2NT transmitter \$100.00. One year old. Walter Furtak WN4LWE, 4291 Applecrest Drive, Palm Beach Gardens, Fla. 33403. Phone 848-9364.

FOR SALE: D4IGGV PL, 6-12 V, 30 watt, Dual Chnl kits, all axes, xtals \$2.64 and \$2.525 with book, as new \$100.00. Dan A. Summers W4JB, 1713 SE 14th St., Ft. Lauderdale, Fla. 33316 Phone JA4-0918.

FROM ESTATE OF WA4KFW: Collins equipment. 30L1 Amplifier \$350.00, case for above \$25.00. 32S3 transmitter \$400.00. 516F2 power supply \$75.00 K2S1 6 and 2 meter \$325.00. 312B4 Station control \$115.00. Dummy load \$25.00. Mosely TA33 Sr. \$60.00. 40 ft. E-Z way with ground post \$150.00. Ham M Rotator \$75.00. Test equipment, odds and ends. Will consider package deals. Mrs. Ken Horne, 1550 W. River Dr., Margate, Fla. Phone 972-0842.

FOR SALE: DELUXE tower and antenna system. E-Z Way RBX60 with electric motor drive tilt over with wonder ground post, Hy-Gain TH6DX triband and Hy-Gain 6 & 2. Tower can be height controlled electrically from inside or out and has height indicating meter in shack. Moving shortly, make offer. Tom Stanton, WB4DUX, 362 NE 92nd St., Miami Shores, Fla. 33138.

FOR SALE: Hammarlund HQ-100 \$135.00, or might buy Hallicrafters SX-101A or trade. W. B. Butcher, 210 1/2 Magnolia, Tampa, Fla. 33606 Phone 251-4408.

WANTED: Modulation transformer 250 watt universal match, UTC S-22, Chicago CMS-1, Stancor A3898, SNC 5P337 or equivalent. R. L. Simonds W4RLR, 727 Lucile Way, Orlando, FL 32811.

FOR SALE: Heath Chippewa Linear, 2 KW PEP SSB, 1 KW CW. Excellent condition. \$175. or best offer. Robert Patten, WA0ZF, 2311 W. Nassau Dr., Miramar, FL 33023 Phone 981-2732.

FOR SALE: SWAN MARK II linear with power supply, used 5 hours, 11 months old. 3-500Z finals, perfect. \$500.00. Firm. Going to Calif. Be back July 5th. Robert R. Locke WB4LUE, 10177 - 106th Terr. No., Largo, Fla. 33540 Phone 382-3405.

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10th IS OUR DEADLINE
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Our New Phone No. 305 - 821-5802

PLEASE CHANGE YOUR RECORDS ACCORDINGLY
H S ELECTRONICS, INC.

(THE HAM SHACK)

QSO RESULTS

(Continued from Page 1)

possible to those stations that scored high in their respective areas.

The 1970 party had an increase in interest over the previous parties, but mostly from the out of state fellows. Here are some of the statistics:

20 percent overall increase in logs received.

37 percent overall increase in CW logs.

4 percent overall increase in Fone logs.

4 percent increase in Florida CW logs.

0 percent change in Florida Fone logs.

51 percent increase in out of state CW logs.

5 percent increase in out of state Fone logs.

With blushing faces and hanging heads, the contest committee apologizes for the mix-up on the suggested frequencies. We planned the party so far in advance, that the incentive licensing frequency changes were overlooked and some of the frequencies were not available to all amateurs. Also, we feel that the deadline for logs was too far after the contest, and that you procrastinators who never really got to copying over your logs are to receive only 75 percent of the blame. Nevertheless, you should have sent them in. The DX multiplier restriction was added with the intention of giving everyone the same advantage, where in the past some stations have tried to boost their score by working only DX in the last few hours of the party. Few comments were received expressing dislike for this new idea.

Next year's party?? On the planning board is the possibility of dropping the exchange of QSO numbers. This would keep a late starting station from being overwhelmed and frustrated, upon hearing his neighbor with 500 QSOs.

Charlie Trice WA4RRB

NOTICE WINNERS

Holders of the following two County Cousins Orlando Hamfest tickets win a new TEKRAD Mark V all band antenna. Nbers 026943 and 026753 should contact Ted Wayne WB4CBP, 8250 S.W. 108th St., Miami, Fla. 33156 to make plans for shipment.

16 / FLORIDA SKIP July 1970



HERE IS ANOTHER CORNER of the Franklin Communications Museum, 92 - 31st Ave., St. Petersburg Beach owned by F. Atlee K4PI. Frank probably has the largest collection of Atwater Kents and components in the world. If you can help K4PI add to Florida museum, drop him a line.

SUMMER ELECTRONICS

Teenagers and others interested in learning about electronics and code this summer may do so in a special class at John F. Kennedy Junior High School in North Miami.

If at least 15 students are interested, school officials say, a class will be organized to teach radio and code to pass at least a novice exam.

Principal Lloyd Pierce said the school has its own amateur radio station with equipment provided by the city's Kiwanis Club.

The idea for the potential summer program came from Norman Kaplan, an electrician whose 11-year old son wants to get his amateur license. Kaplan felt many young teenagers (and others) might want to do the same, so he searched around for a school with the facilities.

Pierce said a nominal tuition fee will be charged unless the school can come up with a volunteer instructor.

Those interested in signing up should call Al Simmons,

Community School Director at 947-1451 in Miami soon as possible.

REPEATER WORK-OUT

Approximately 75 stations used the repeater of the Brevard Repeater Association, WB4KNQ, during the 40 hour Orlando Hamfest. The station doubled its capacity from last year when over forty stations used it for about three hours air time. This year we logged over six hours actual transmitter on-time.

Our repeater uses a diode matrix as a digital identification unit (DIU), which was spewing forth with a few extra dits now and then, letting everyone know they were being taped!

WB4KNQ has now been returned to its permanent home in the elevator room of the Cape Royal Building in Cocoa Beach and we hope to have it on the air by the time you read this.

73, W4FJE

-COMING EVENTS-

June 12-13-14	BARS Camporee, Dade City
June 27-28	ARRL Field Day
Sept. 12	Platinum Coast ARS Hamfest, Melbourne
Sept. 17	Auctionfest, Miami
Oct. 11	HARS Tampa Hamfest
Jan 23-24-1971	Miami Hamboree

(Continued from Page 9)

IL	WA9WLF	1863
IN	K9ULJ	853
LA	WA0NVM	988
	W0EGN	465
KS	K0FPC	1150
ME	W1DPJ	1311
MS	W1JKZ	2575
	W1FJN	1722
MD	WA3GUI	220
MI	WA8ZDT	3525
	W8SH	2015
	(WA3GRU-OP)	
	K8UDJ	1659
	WA8ZAV	210
	WA8TDY	190
	K8IFK	162
MO	WA0ZLU	1104
	WA2ITR	110
MT	W7GKF	96
NH	WA1JSD	684
NJ	W2KHT	1872
	WA2DFC	1281
NM	W5QNY	403
NY	K2UAR 2	2075
	WB2EEA	1420
NC	WA4FFW	3406
	K4CAX	1606
OH	WARTNO	864
	WA4RLJ	459
OK	W4SWCK	748
OR	W7ULC	1840
	W7VSE	209
	WA7LDZ	40
PA	WA3JIH	1400
	W3AIZ	1323
	WA3JUV	544
	WA3JBN	48
RI	K1QFD	2185
SC	K4QMQ	338
SD	K0WNV	578
TN	WB4LIE	902
	W4OGG	80
TX	K1PKQ 5	252
VT	W1FNB	49
VA	W4CRW	1385
	K4OD	1281
	K4RDU	817
	W4JUL	640
WA	W7WMY	950
	K7IEU	585
	W7YTN	544
WV	WA8HLV	1020
	WA8KAN	204
	WA8CNN	165
WI	WA9TZD	1528
	W9HE	480
	W9KXK	300
	WA7KTW	306
WY	W7VJI	378
		372

CANADA

VE3CQA	2418
WB6IFA VE6	1288
VE2IL	459
VE3BR	140
DX	
SMODSG	1365
HB9NL	665
OK1ASJ	375
OK1MGW	364
OZ4H	338
HB9AGH	300
YU1NOL	208
SM7DER	143
JH1PEX	4
OH6NH	4
CR7IZ	1

CLOSED FOR SUMMER

It was decided at the ARRL LO meeting in Orlando to discontinue the LO Net during the summer months, due to vacations and other outside activities. The net will resume in late September. Watch for announcement in August SKIP. We hope you have a QRN-FREE vacation.